

CompTIA Network+ Certification (Exam N10-007)

Duration: 5 Day(s)

Course Overview

This 5-day CompTIA Network + training course will teach you the fundamental principles of installing, configuring, and troubleshooting network technologies and help you to progress in a network administration career. It will prepare you to take the CompTIA Network+ N10- 007 exam by providing complete coverage of the objectives and content examples listed on the syllabus. Study of the course can also help to prepare you for vendor-specific technical support qualifications and act as groundwork for more advanced training.

Review this course online at <https://www.alta3.com/courses/NET+007>

Objectives

- Install and configure network cabling and appliances.
- Understand TCP/IP addressing and network protocols.
- Identify and mitigate network security threats.
- Manage and troubleshoot network operations effectively.

Who Should Attend

- Network Administrator
- Network Technician
- Network Installer
- Help Desk Technician
- IT Cable Installer

Prerequisites

To get started with this course, you should have successfully completed CompTIA A+ certification or have around 9-12 months' experience of IT administration. It is not necessary that you pass the A+ exams before completing Network+ certification, but it is recommended.

Regardless of whether you have passed A+, it is recommended that you have the following skills and knowledge before starting this course:

- Configure and support PC, laptop, mobile (smartphone or tablet), and print devices.
- Know basic network terminology and functions (such as Ethernet, TCP/IP, switches, routers).
- Configure and manage users, groups and shared resources in a simple SOHO network.
- Understand the use of basic access control measures, such as authentication, security policy, encryption, and firewalls.

Course Outline

Module 1 Local Area Networks

1. Topologies and the OSI Model
2. Ethernet

- 3. Hubs, Bridges, and Switches
- 4. Infrastructure and Design
- 5. Policies and Best Practices

Module 2 IP Addressing

- 6. Internet Protocol
- 7. IPv4 Addressing
- 8. IPv6 Addressing
- 9. DHCP and APIPA

Module 3 Internetworking

- 10. Routing
- 11. TCP and UDP
- 12. Name Resolution and IPAM
- 13. Monitoring and Scanning
- 14. Network Troubleshooting

Module 4 Internetworking

- 15. Applications and Services
- 16. Virtualization, SAN, and Cloud Services
- 17. Network Security Design
- 18. Network Security Appliances
- 19. Authentication and Endpoint Security

Module 5 Operations and Infrastructure

- 20. Network Site Management
- 21. Installing Cabled Networks
- 22. Installing Wireless Networks
- 23. Installing WAN Links
- 24. Configuring Remote Access